

# VERMONT WEEKLY INFLUENZA SURVEILLANCE REPORT

May 14 – 20, 2017 | MMWR Week 20

## KEY POINTS

Influenza activity was categorized as **sporadic** for MMWR Week 20

- Levels of Influenza-like Illness (ILI) activity seen in emergency departments decreased
  - Of the total emergency room visits, **1.1% were due to ILI**
- Sentinel providers reported **2% of patients had ILI**
- Vermont Department of Health Laboratory reported **1 positive flu test**
- National Respiratory and Enteric Virus Surveillance System reported **3 positive flu tests**

**FLU  
SURVEILLANCE  
SEASON**

**START**  
MMWR Week 40  
(Week End Date 10/08/16)

**END**  
MMWR Week 20  
(Week End Date 5/20/17)

**NATIONAL WEEKLY FLU REPORT**

<http://www.cdc.gov/flu/weekly/index.htm>

**VERMONT FLU WEBSITE**

[www.healthvermont.gov/prevent/flu/flusurveillance.aspx](http://www.healthvermont.gov/prevent/flu/flusurveillance.aspx)

## VT Flu Geographic Spread\*

No Activity

**Sporadic**

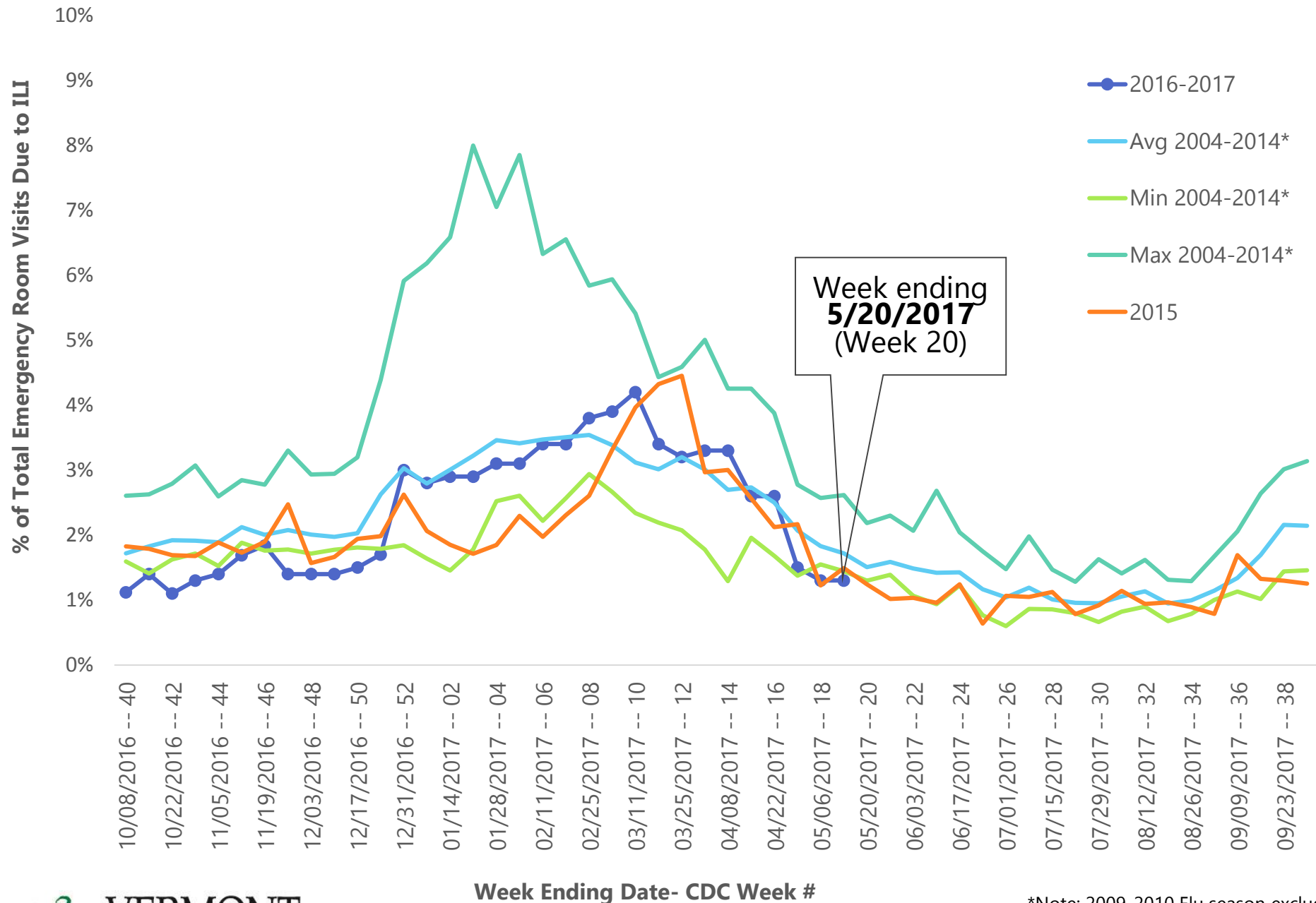
Local

Regional

Widespread

\*Based on CDC's Activity Estimates Definitions:  
[www.cdc.gov/flu/weekly/overview.htm](http://www.cdc.gov/flu/weekly/overview.htm)

# Syndromic Surveillance of Influenza-Like Illness (ILI) at Vermont Hospitals, 2016-2017 vs. Historic Data



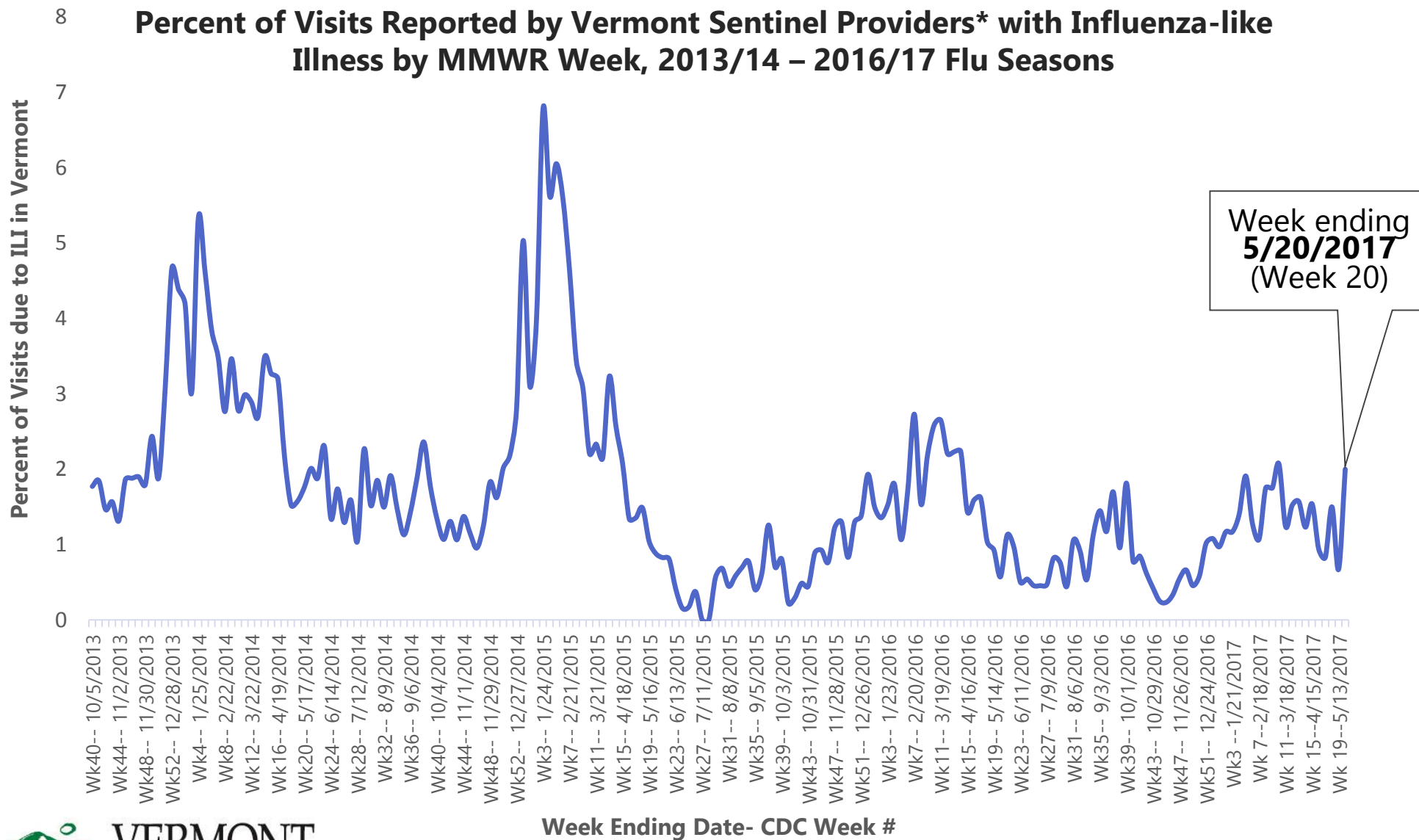
# Sentinel Provider Data From ILINET

Sentinel providers report the number of patients with an ILI seen by their practices each week

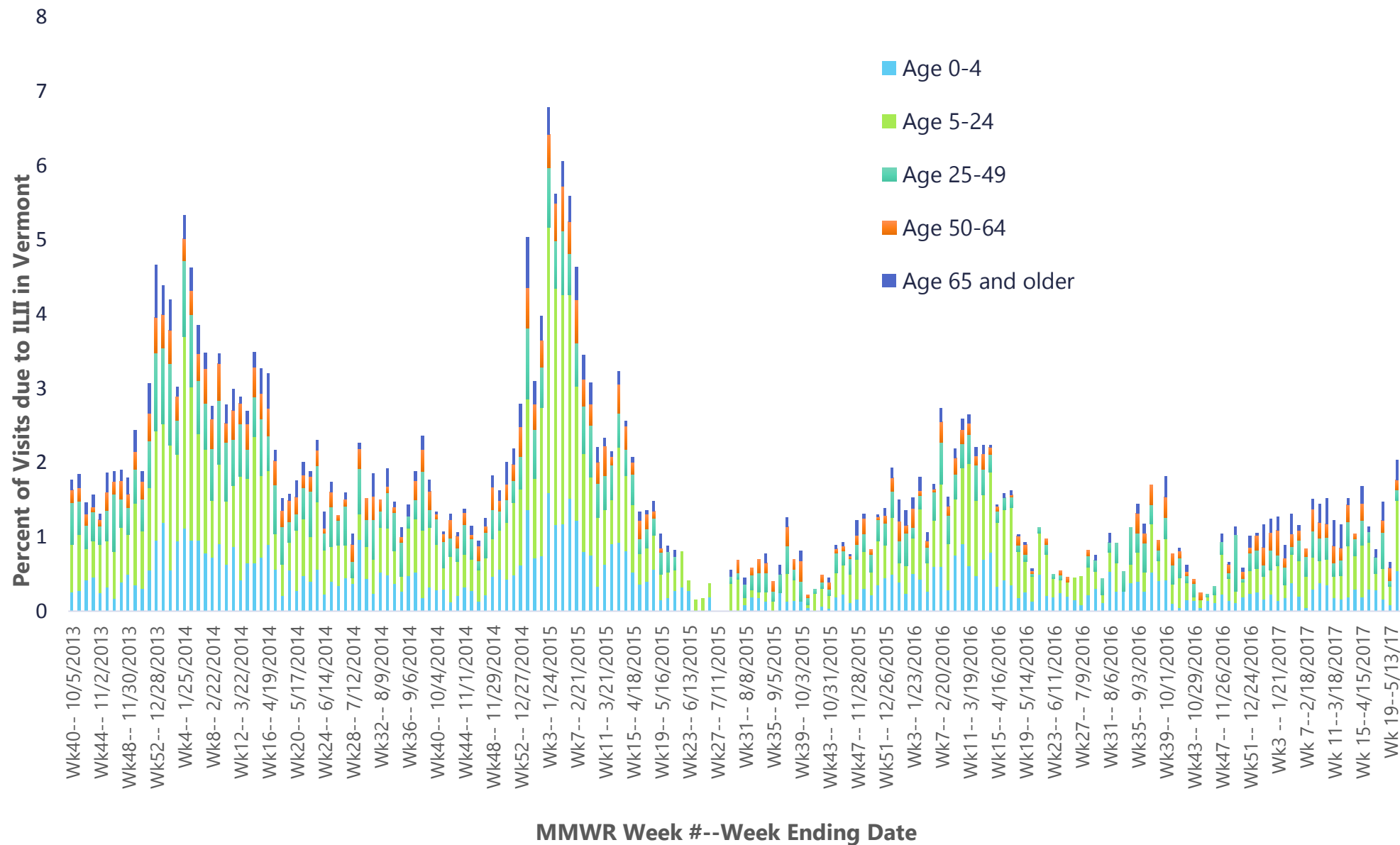
ILI is defined as a fever of at least 100° F and cough and/or sore throat, without a known cause other than influenza

There are 13 medical practices located throughout the state currently partnering with the Health Department as sentinels

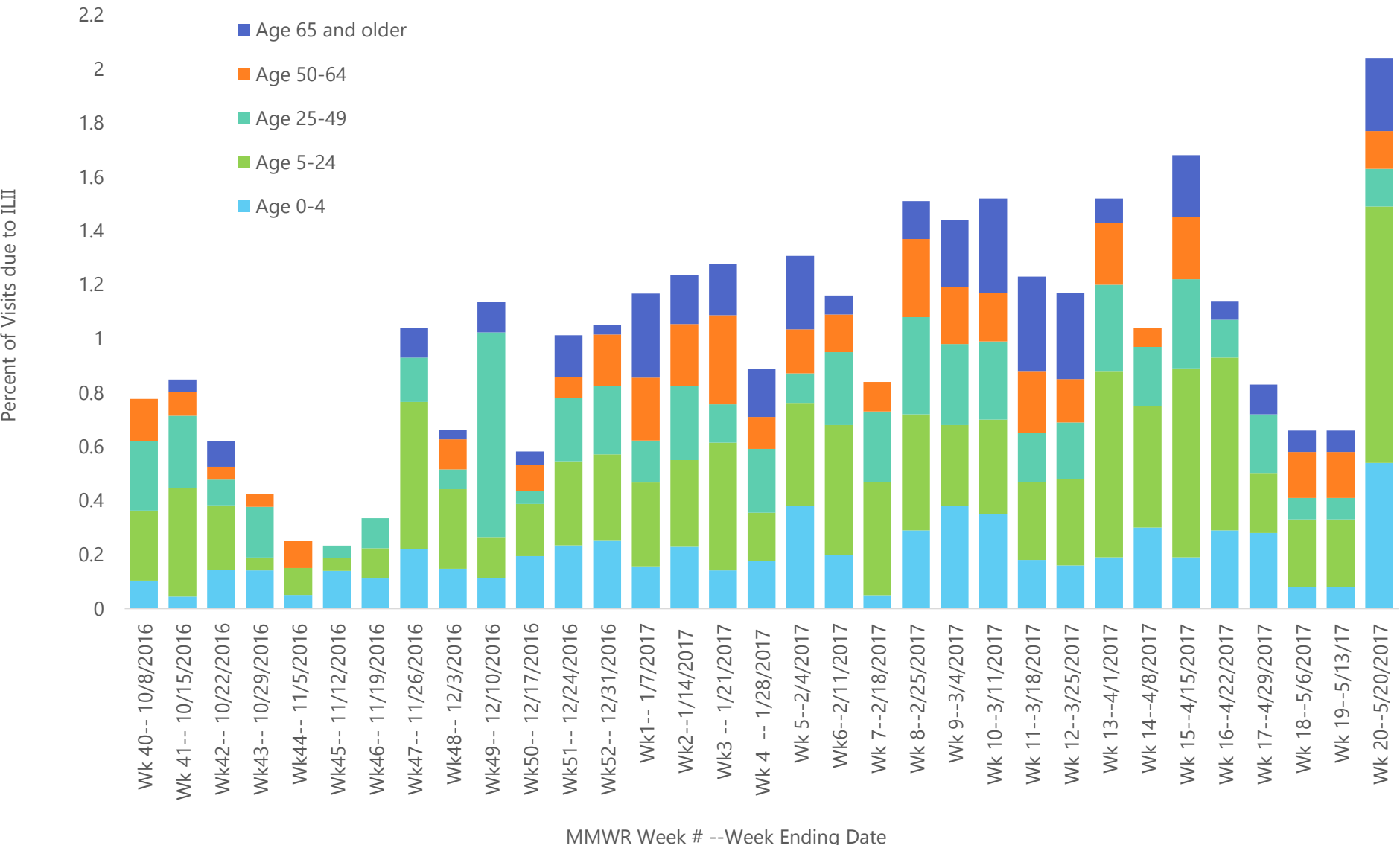
## Percent of Visits Reported by Vermont Sentinel Providers\* with Influenza-like Illness by MMWR Week, 2013/14 – 2016/17 Flu Seasons



# Percent of Visits Reported by Vermont Sentinel Providers\* with Influenza-like Illness by Age Group by MMWR Week, 2013/14 – 2016/17 Flu Seasons



# Percent of Visits Reported by Vermont Sentinel Providers\* with Influenza-like Illness by Age Group by MMWR Week 2016/2017 Flu Season



\*The ILI data are more robust when a higher percentage of provider reports are received. Recent data are provisional due to reporting lags.

# Vermont Department of Health Laboratory (VDHL) and National Respiratory and Enteric Virus Surveillance System (NREVSS)

Individual influenza laboratory results are not reported to the Vermont Department of Health. The data below represents an unknown subset of the actual number of flu tests done in Vermont

VDHL tests specimens for flu to identify exactly which strains are currently causing illnesses in the state. Flu testing at the state laboratory is for surveillance purposes and completed on specimens submitted to VDHL

NREVSS data is collected from collaborating university and community hospital laboratories. These participating laboratories report positive results for a number of viruses, including influenza, on a weekly basis. Three Vermont hospitals contribute data into this system and is voluntary

LABORATORY DATA

	VDHL* Current Week (May 14-May 20, 2017)		VDHL* 2016-2017 Season Total (Oct 2, 2016-May 20, 2017)		NREVSS* Current Week (May 14-May 20, 2017)		NREVSS* 2016-2017 Season Total (Oct 2, 2016-May 20, 2017)	
	Number	Percentage	Number	Percentage	Number	Percentage	Number	Percentage
<b>Specimens Tested</b>	2		391		77		5343	
<b>Positive Specimens</b>	1	50%	319	81.1%	3	4%	755	14.1%
<b>Positive Specimens by Type/Subtype</b>								
<b>Influenza A</b>	0	0%	229	71.8%	0	0%	524	69.4%
<b>A (2009 H1N1)</b>	0	0%	3	1.3%	0	0%	0	0%
<b>A (H1)</b>	0	0%	0	0%	0	0%	0	0%
<b>A (H3)</b>	0	0%	226	98.7%	0	0%	0	0%
<b>A (unsubtyped)</b>	0	0%	0	0%	0	0%	524	100%
<b>Influenza B</b>	1	100%	90	28.2%	3	100%	231	30.6%

\*Laboratory data obtained from VDHL and from NREVSS may include the same specimens tested for flu. They are not mutually exclusive. Facilities that report to NREVSS may submit a specimen to VDHL for additional testing, therefore being reported both in NREVSS and VDHL.

# Outbreaks During the 2016-2017 Season\*

## Long-Term Care Facility Outbreaks

### Number of Outbreaks

17

### Outbreak Regions

Central:	2
Northeastern:	0
Northwestern:	6
Southeastern:	4
Southwestern:	5

## School Outbreaks

### Number of Outbreaks

7

### Outbreak Regions

Central:	3
Northeastern:	0
Northwestern:	2
Southeastern:	0
Southwestern:	2

## Outbreaks at Other Facilities

### Number of Outbreaks

1

### Outbreak Regions

Central:	0
Northeastern:	0
Northwestern:	1
Southeastern:	0
Southwestern:	0

## MAP OF INFLUENZA SURVEILLANCE REGIONS IN VERMONT

[http://healthvermont.gov/sites/default/files/documents/2016/11/ID\\_HS\\_sentinel\\_map\\_16.pdf](http://healthvermont.gov/sites/default/files/documents/2016/11/ID_HS_sentinel_map_16.pdf)



DEPARTMENT OF HEALTH

\*Suspected outbreaks of ILI should be reported to the health department